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Sheet 1 of 12

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Application Number	09/771433
Filing Date	01/26/01
First Named Inventor	Voellmicke
Group Art Unit	
Examiner Name	
Attorney Docket Number	DEP 530

					U.S. PATENT DOCUMENTS		
		U.S. Patent Document		cument		Data of Bublication	Bassa Calumas Lines
Examine Initials	er Cit	ite lo.1	Number	Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document mm-dd-yyyy	Pages, Columns, Lines, where relevant passages or relevant figures appear
1	AA	A	2,158,593		W. Scrimgeor	05-16-1939	
	AB	3	3,179,107		R. M. Clark	04-20-1965	
TZ	AC	2	3,223,083		M. C. Cobey	12-14-1965	
200	AD	٦	4,040,420		Spencer J. Speer	08-09-1977	
13	AE		4,274,163		Lawrence L. Malcorn et al.	06-23-1981	
12	AF	F	4,359,049		Heinz Redl et al.	11-16-1982	
1%	AG	G	4,362,567		Otto Schwarz et al.	12-07-1982	
12	AH	н	4,405,249		John T. Scales	09-20-1983	
13	N AI	1	4,414,976		Otto Schwarz et al.	11-15-1983	
	AJ	J	4,526,303		Christopher G. C. Harrod	07-02-1985	
T_{\perp}	AK	$\overline{\Box}$	4,526,909		Marshall R. Urist	07-02-1985	
∇	AL		4,539,716		Eurgene Bell	09-10-1985	

			FO	REIGN PATENT DOCUMENTS				
Examiner Initials	Cite		Foreign	Patent Document	Name of Patentee or	Date of Publication of Cited Document	Pages, Columns, Lines, where relevant	
		Office ³	Number ⁴ KindCode ⁵	Applicant of Cited Document	mm-dd-yyyy	passages or relevant figures appear	T⁰	
3	BA	EP	0 711 535	Osteonics Corp.	05-15-1996			
3	ВВ	EP	0 901 773	David E. Gibbs	03-17-1999			
8	вс	EP	0 955 022	Johnson & Johnson Professional Inc.	11-10-1999			
24 'su //	8D	PCT	96/28117	Bd. of Rents, University of Texas	09-19-1996			
A 2	BE	PCT	98/16267	University College Dublin	04-23-1998			
	BF	PCT	99/13805	Osteotech, Inc.	03-25-1999			
7	BG	PCT	00/45870	SDGH Holdings, Inc.	08-10-2000			

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U.S. PATENT DOCUMENTS U.S. Patent Document Date of Publication Pages, Columns, Lines, Name of Patentee or Applicant Kind Code² Examiner Cite of Cited Document where relevant passages of Cited Document Initials Number (if known) or relevant figures appear No.1 mm-dd-yyyy 11-05-1985 AM 4,551,135 William G. Gorman et al. 4,593,685 AN William F. McKay et al. 06-10-1986 08-26-1986 AO 4.608.199 Arnold Caplan et al. ΔP 4,609,551 Amold Caplan et al. 09-02-1986 4 625 722 12-02-1986 AO William M. Murray AR 12-09-1986 4.627.434 William M. Murray AS 4.629.455 Michio Kanno 12-16-1986 ΑT 4,631,055 Heinz Redl et al. 12-23-1986 ΑU 4,632,672 James R. Kvitrud 12-30-1986 ΑV 4,653,487 Gerhard E. Maale 03-31-1987 AW 4,714,457 Robert Alterbaum 12-22-1987 4,735,616 Johann Eibl et al. 04-05-1988

FOREIGN PATENT DOCUMENTS Pages, Columns, Lines, Foreign Patent Document Date of Publication of Cited Document where relevant Name of Patentee or passages or relevant Cite Examiner TO mm-dd-yyyy **Applicant of Cited Document** Initials figures appear Office³ Number⁴ KindCode⁵ No.1

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1	AY	4,743,229		George Chu	05-10-1988	
1	AZ	4,751,921		Joon B. Park	06-21-1988	
207	AAA	4,769,011		James R. Swaniger	09-06-1988	
27.0	AAB	4,801,263		William C. Clark	01-31-1989	
Š	AAC	4,820,306		William G. Gorman et al.	04-11-1989	
. C	AAD	4,842,581		Richard C. Davis	08-27-1989	-
70	AAE	4,871,088		John P. A., Cox	10-03-1989	
6	AAF	4,874,368		Curtis H. Miller et al.	10-17-1989	
	AAG	4,882,149		Myron Spector	11-21-1989	
	AAH	4,950,298		Jonathan L. McIntyre	08-21-1990	
	AAI	4,978,338		Emil E. Capozzi	12-18-1990	
1	AAJ	4,979,942		Stephen J. Wolf et al.	12-25-1990	

FOREIGN PATENT DOCUMENTS Foreign Patent Document **Date of Publication** Pages, Columns, Lines, of Cited Document where relevant Name of Patentee or Examiner passages or relevant mm-dd-yyyy Applicant of Cited Document Initials figures appear No.1 Office³ Number⁴ KindCode⁵

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				U.S. PATENT DOCUMENTS		
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1	AAK	4,994,065		Rebecca Gibbs et al.	02-19-1991	
	AAL	5,010,009		John Steele et al.	04-23-1991	
	AAM	5,030,215		Brenda S. Morse et al.	07-09-1991	
3	AAN	5,049,135		Richard C. Davis	09-17-1991	
83	AAO	5,104,375		Stephen J. Wolf et al.	04-14-1992	
31	AAP	5,110,604		George H. Chu et al.	05-05-1992	
Š	AAQ	5,112,354		Bryan S. Sires	05-12-1992	
2	AAR	5,116,315		Emil E. Capozzi et al.	05-26-1992	
Al	AAS	5,133,756		Gerd Bauer et al.	07-28-1992	·
	AAU	5,152,763		Lanny L. Johnson	10-06-1992	
	AAV	5,181,918		Gerd Brandhorst et al.	01-26-1993	
V	AAW	5,185,001		Dennis K. Galanakis	02-09-1993	

	FOREIGN PATENT DOCUMENTS								
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		U.S. Patent Document				
Examiner Initials	Cite	Number	Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document mm-dd-yyyy	Pages, Columns, Lines, where relevant passages or relevant figures appear
7	AAX	5,193,907		Giovanni Faccioli et al.	03-16-1993	
9	AAY	5,197,985		Arnold I. Caplan et al.	03-30-1993	
1	AAZ	5,226,877		Gordon H. Epstein	07-13-1993	
Sign	ABA	5,226,914		Arnold I. Caplan et al.	07-13-1993	
3	ABB	5,232,024		Eli Williams	08-03-1993	
V	ABC	5,290,259		Dan E. Fischer	03-01-1994	
200	ABD	5,314,412		Jom Rex	05-24-1994	
1	ABE	5,322,510		Andreas Lindner et al.	06-21-1994	
	ABF	5,368,563		Alan Lonneman et al.	11-29-1994	
	ABG	5,376,079		Niels E. Holm	12-27-1994	
V	ABH	5,405,607		Gordon H. Epstein	04-11-1995	

FOREIGN PATENT DOCUMENTS Foreign Patent Document Date of Publication Pages, Columns, Lines, of Cited Document where relevant Name of Patentee or passages or relevant Cite Examiner mm-dd-yyyy T° Applicant of Cited Document figures appear Initials Office³ Number⁴ KindCode⁵ No.1

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02-25-1997

U.S. PATENT DOCUMENTS U.S. Patent Document Date of Publication Pages, Columns, Lines, Name of Patentee or Applicant Kind Code² Examiner of Cited Document where relevant passages of Cited Document Initials Number (if known) or relevant figures appear No.1 mm-dd-yyyy Giovanni Faccioli et al. 07-25-1995 ARI 5,435,645 ABJ 5,443,531 Ugo Ripamonti 08-22-1995 5,464,396 Helmut Barta et al. 11-07-1995 ARK 12-12-1995 ARI 5,474,540 Curtis Miller et al. ABM 5.478.323 Donald C. Westwood et al. 12-26-1995 ABN 5.477.987 Wilhelm A. Keller 12-26-1995 ABO 5.486.359 Amold I, Caplan et al. 01-23-1996 1 N ABP 5,520,658 Niels E. Holm 05-28-1996 Michael R. Orrico ABQ 5,558,136 09-24-1996 ABR 5,577,517 Peter M. Bonutti 11-26-1996 ABS 4,109,653 George Kozam et al. 08-29-1978

		Foreign Patent Document			A	Date of Publication of Cited Document	Pages, Columns, Lines, where relevant	
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<u> </u>	ABU	5,605,541		Niels-Erik Hotm	02-25-1997				
130	ABV	5,665,067		Albert Linder et al.	09-09-1997				
8	ABW	5,645,729		James W. Priegnitz	07-08-1997				
151	ABX	5,694,951		Peter M. Bonutti	12-09-1997				
ق را	ABY	5,697,932		Margaret E. Smith et al.	12-16-1997				
9	ABZ	5,700,289		Amold S. Breitbart et al.	12-23-1997				
7	ACA	5,718,707		W. E. Michael Mikhail	02-17-1998				
	ACB	5,718,899		Anthony George Gristina et al.	02-17-1998				
	ACC	5,772,665		Hakan Lars Christer Glad et al.	06-30-1998				
	ACD	5,810,773		Lesley Pesnicak	09-22-1998				
	ACE	5,810,885		Freddy Zinger	09-22-1998				
V	ACF	5,824,084		George Frederick Muschler	10-20-1998				

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U.S. PATENT DOCUMENTS U.S. Patent Document **Date of Publication** Pages, Columns, Lines, Name of Patentee or Applicant Kind Code² Cite Examiner of Cited Document where relevant passages of Cited Document Initials or relevant figures appear Number (if known) No.1 mm-dd-yyyy 10-20-1998 **ACG** 5,824,087 Richard Malcom Aspden et al. 08-02-1998 **ACH** 5,759,171 Philip H. Coelho et al. 06-23-1998 ACI 5,769,895 Ugu Ripamonti David S. Bradford 08-04-1998 ACJ 5,788,976 06-08-1999 ACK Sharon Stevenson et al. 5,910,315 ACI 5.925.051 W.F. Michael Mikhail 07-20-1999 ACM 5,976,102 Gordon H. Epstein 11-02-1999 11-02-1999 ACN 5.975.367 Philip H. Coelho et al. Yves Delmotte et al. 11-23-1999 ACO 5.989.215 ACP 6,001,259 Elaine Whitmore 12-14-1999 Gordon Howard Epstein et al. 12-28-1999 ACQ 6,007,515

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U.S. PATENT DOCUMENTS U.S. Patent Document Date of Publication Pages, Columns, Lines, Name of Patentee or Applicant Kind Code Cite Examiner of Cited Document where relevant passages of Cited Document Initials or relevant figures appear Number (if known) mm-dd-yyyy No.1 **ACS** 6,021,961 Daniel P. Brown 02-08-2000 04-04-2000 **ACT** 6,045,555 Margaret E. Smith et al. 04-11-2000 ACU 6,049,026 George Frederick Muschler 04-11-2000 **ACV** 6,047,861 Claude Vidal et al. 05-09-2000 ACW 6,059,749 Gerard Marx ACX 05-16-2000 6.063.055 Gordon Howard Epstein et al. ACY 6.086.594 Byron L. Brown 07-11-2000 ACZ 10-24-2000 6.136.030 Feng-Huei Lin et al. ADA 6,143,030 Lisa K. Schroder 11-07-2000 ADB 6,116,773 09-12-2000 William M. Murray ADC 6,120,174 Stephen H. Hoag et al. 09-19-2000 ADD 10-17-2000 6,132,396 Richard D. Antanavich et al.

	FOREIGN PATENT DOCUMENTS							
		Foreign Patent Document			Name of Patentee or	Date of Publication of Cited Document	Pages, Columns, Lines, where relevant	
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U.S. PATENT DOCUMENTS U.S. Patent Document Date of Publication Pages, Columns, Lines, Name of Patentee or Applicant Kind Code² Examiner Cite of Cited Document where relevant passages of Cited Document Initials or relevant figures appear Number (if known) mm-dd-yyyy No.1 ADE 6,139,509 Hansen Yuan et al. 10-31-2000 ADF 6,142,998 Margaret E. Smith et al. 11-07-2000 ADG 6,149,655 Brent R. Constantz et al. 11-21-2000 ADH 6,160,033 **Berthold Nies** 12-12-2000 ADI 6.176.607 Mohammed Ali Hajianpour 01-23-2001 ADJ 6,210,031 William M. Murray 04-03-2001 7 04-10-2001 **ADK** 6,214,012 Robert R. Karpman et al. ADL 6,217,581 John Thomas Tolson 04-17-2001 ADM 6,221,029 John M. Mathis et al. 04-24-2001 AND 6,238,399 Mathias Heller et al. 05-29-2001 ADO 6,254,268 Jack F. Long 07-03-2001 ADP 6,264,660 Joachiim Schmidt et al. 07-24-2001 ADQ 6,273,916 Kleran Murphy 08-14-2001

FOREIGN PATENT DOCUMENTS Foreign Patent Document Date of Publication Pages, Columns, Lines, of Cited Document where relevant Name of Patentee or passages or relevant Examiner Cite T mm-dd-yyyy **Applicant of Cited Document** figures appear Office³ Number⁴ KindCode⁵ No.1

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U.S. PATENT DOCUMENTS U.S. Patent Document Date of Publication Name of Patentee or Applicant Pages, Columns, Lines, Kind Code² Examiner Cite of Cited Document where relevant passages of Cited Document Initials Number (if known) or relevant figures appear No.1 mm-dd-yyyy ADR 2001/0016703 John Wironen et al. 08-23-2001 ADS 6.293,971 Carl Nelson et al. 09-25-2001 ADT 6,302,574 Kwan-Ho Chan 10-16-2001 ADU 6,309,395 Margaret F. Smith et al. 10-30-2001 ADV 6,309,420 Howard Preissman 10-30-2001 ADW 2001/0037091 John F. Wironen et al. 11-01-2001 **ADX** 6,312,149 Peter Ake Sjovall et al. 11-06-2001 ADY 2002/0010471 John F. Wironen et al. 01-24-2002 ADZ 2002/0010472 Stephen D. Kuslich et al. 01-24-2002 AEA 2002/0013553 Heinrich Pajunk et al. 01-31-2002 AEB 6,348,055 Howard Preissman 02-19-2002

FOREIGN PATENT DOCUMENTS Foreign Patent Document Pages, Columns, Lines, Date of Publication of Cited Document where relevant Name of Patentee or Examiner Cite passages or relevant т٥ mm-dd-yyyy Applicant of Cited Document Initials figures appear Office³ Number⁴ KindCode5 No.1

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105	CA	ROY L TAWES et al.: Autologous Fibrin Glue: The Last Step in Operative Hemostasis; The American Journal of Surgery; Volume 188: August 1994 • 2095.	,
RS	СВ	MEHMET C. OZ, MD et al.; Attologous Fibrin Glue From Intraoperatively Collected Platelet Rich Plasma; The Society of Thoracic Surgeons; 1992	

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Filing Date	January 26, 2001
First Named Inventor	Voellimicke et al.
Group Art Unit	3732
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Attorney Docket Number	DEP-530

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185		6,001,259	Α_	Elaine Whitmore	12/14/1999		
FBS		4,981,241	А	Withelm A. Keller	01/01/1991		
125		5,286,258	Α	William H. Smedley et al.	02/15/1994		
105		4,040,420	Α	Spencer J. Speer	08/09/1977		
<i>165</i>		5,454,792	A	Myles L. Phipps	10/03/1995		
125		5,971,972	A	Jay D. Rosenbaum	10/26/1999		
160		5,947,937	A	Tom Autobee et al.	09/07/1999		
165		4,150,673	A	William E.R. Watt	04/24/1979		
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FOREIGN PATENT DOCUMENTS Pages, Columns, Lines, Foreign Patent Document Date of Publication of Cited Document where relevant Name of Patentee or passages or relevant Cite Examiner mm-dd-yyyy **Applicant of Cited Document** figures appear Office³ Number4 KindCode⁵ wo 84/00340 A Baxter Travenol Lab 02/02/1984 95/20408 Hyprotek et al. 08/03/1995

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